INDEX TO VOLUME 4

Age, classes, quail, California, 92
Aldous, Shaler E. A method of marking beavers, 145–148
Analyzing game bird foods, field method, 105
Attracting birds, 85
Atwater, M. M. South Fork (Montana) beaver survey: 1939, 100–103

Banding, woodcock, 8
Bass, smallmouth, life history, 241
Baumgartner, Luther L. Trapping, handling, and marking fox squirrels, 444–450
Beaver, populations, Montana, 100
Bennett, Logan J., P. F. English, and Randal McCain. A study of deer populations by use of pellet-group counts, 398–403
Bennitt, Rudolf, Chairman. Report of the Committee on Professional Standards, 338–341
Beule, John D. See Norris, Russell T., and —, 8–14
Bibliography, filing wildlife literature, 44
Birds, farm, populations, Ohio, 63
Biswell, Harold, H. See Glading, Ben, and —, 128–144
Blair, W. Frank. Home ranges and populations of the meadow vole in southern Michigan, 149–161
Bob-white, food, southeast, 105

Cahalane, Victor H.
  Minutes of the fourth annual meeting at Washington, D. C., March 18, 1940, 341–343
  Report of the Secretary for the year ending with the fourth annual meeting, March 18, 1940, 333–335
Census, value of the animal census, 327
Census methods
  bass, smallmouth, 261
  deer, white-tailed, 15, 398
  hare, snowshoe, 221
  intersection method, 313
  prairie chicken, 55
  vole, meadow, 149
Chapman, Royal N. Obituary note, 104
Chase, Warren W. Report of the Treasurer for the calendar year 1939, 336–337
Chenault, Tandy P. The phenology of some bob-white food and cover plants in Brazos County, Texas, 359–368
Clancy, Carl F., Erwin Jungherr, and Palmer R. Sime. Internal parasites of cottontail rabbits in Connecticut, 162–168
Control, deer damage to conifers, 77
Cook, David B. The straight-log dam, 437–440
Correspondence, 327–332
Cottontail
  food, Oklahoma, 429
  parasites, 21, 162, 429
Cowan, Ian McTaggart. Two apparently fatal grouse diseases, 311–312
Cuttings rooted by aid of hormones, 1
Cycles, hare, snowshoe, 220, 267, 347

Dam, straight-log, 437
Dambach, Charles A., and E. E. Good. The effect of certain land use practices on populations of breeding birds in southwestern Ohio 63–76
Davis, William B. Mortality of wildlife on a Texas highway, 90–91
Davison, Verne E.
  A field method of analyzing game bird foods, 105–116
  An 8-year census of lesser prairie chickens, 55–62
Deer, white-tailed
  damaging conifers, Connecticut, 77
  populations, 398
Dever, W. L. See Scott, Thos. G., and —, 373–374
Disease
  cancer in grouse, 311
  scabies in grouse and quail, 311
Doan, Kenneth H. Studies of the smallmouth bass, 241–266
Dove, western white-winged in Arizona, 117, 279
Duck, black, diving ability, 19

Ecology, interdependence of organisms, "Song of the Gavilan," 329
Editorial, 451
Emlen, John T., Jr. Sex and age ratios in survival of the California quail, 92–99
Enders, Robert K. See Forbes, Thomas R., and —, 169–172

English, P. F. See Bennett, Logan J., and —, 398–403
Environmental improvement
blasting pools in marshes, 373
feed patches, New England, 392
planting, Wisconsin, 294
streams, by straight-log dams, 437
Erickson, Arnold B. Notes on a method for censusing white-tailed deer in the spring and summer, 15–18
Errington, Paul L.
Natural restocking of muskrat-vacant habitats, 173–185
On the social potentialities of wildlife management, 451–452
Evans, C. A. See Green, R. G., and —, 186–219, 267–278, 347–358

Feed patches, New England, 392
Filing wildlife literature, 44
Fish propagation, planting eyed eggs, 303
Food habits
bass, smallmouth, 254
bob-white, 105
cottontail, 429
deer, white-tailed, 77
dove, white-winged, 117
grouse, sharp-tailed, 432
kangaroo rat, banner-tailed, 39
kangaroo rat, Merriam's, 41
merganser, American, 186
hooded, 213
red-breasted, 213
mink, 81
pheasant, ring-necked, 27
quail, California, 128
raccoon, 82, 375
wood rat, white-throated, 42
Food plants, wildlife, New England, 392
Forbes, Thomas R., and Robert K. Enders. Observations on corpora lutea in the ovaries of Maryland muskrats collected during the winter months, 169–172.
Fried, Louis A. The food habits of the ring-neck pheasant in Minnesota, 27–36

Game cooperative, Riley, Wisconsin, 291
Game cooperatives, Michigan, 383
Giles, LeRoy W. Food habits of the raccoon in eastern Iowa, 375–382
Glading, Ben, Harold H. Biswell, and Clarence F. Smith. Studies on the food of the California quail in 1937, 128–144
Good, E. E. See Dambach, Charles A., and —, 63–76
Graham, Samuel A. The intersection method of counting animals, 313–314
Green, R. G., and C. A. Evans
Studies on a population cycle of snowshoe hares on the Lake Alexander Area. I. Gross annual censuses, 1932–1939, 220–238
Studies on a population cycle of snowshoe hares on the Lake Alexander Area. II. Mortality according to age groups and seasons, 267–278
Studies on a population cycle of snowshoe hares on the Lake Alexander Area. III. Effect of reproduction and mortality of young hares on the cycle, 347–358
Grouse, sharp-tailed, food, Minnesota, 432

Hamilton, W. J., Jr. The summer food of minks and raccoons on the Montezuma Marsh, New York, 80–84
Hare, snowshoe
life history, 220, 267, 347
populations, 220, 267, 347
Hellmers, Henry. A Study of monthly variations in the nutritive value of several natural winter deer foods, 315–325
Highway destruction of wildlife, 90
Hill, Russell G. Some observations on farm game management cooperatives in Michigan, 383–391
Hormones in the propagation of food and cover plants, 1

Jennison, Harry Milliken. Obituary, 239
Jungherr, Erwin. See Clancy, Carl F., and —, 162–168

Kangaroo rat
banner-tailed, habits, Arizona, 37
Merriam's, habits, Arizona, 40
Kessler, Wayne. See Monson, Gale, and —, 37–43
King, Willis. Obituary of Harry Milliken Jennison, 239–240
Kutz, Harry Leon. The diving ability of the black duck, 19–20

Lagler, Karl F. See Salyer, J. Clark, II, and —, 186–219
Land use in relation to bird populations, 63

Leopold, Aldo
History of the Riley Game Cooperative, 1931–1939, 291–302
Obituary note on Royal N. Chapman, 104
Song of the Gavilan, 329–332
The state of the profession, 343–346
Life histories
bass, smallmouth, 241
dove, white-winged, 117, 279
hare, snowshoe, 220, 267, 347
kangaroo rat, banner-tailed, 37
kangaroo rat, Merriam's, 40
muskrat, 173
pheasant, ring-necked, 369
quail, California, 92
woodcock, 8
wood rat, white-throated, 41

Management
farmer-sportsman cooperation
Michigan, 383
Wisconsin, 291
social possibilities of, 451
songbird, 85
state of the profession, 343
Marking
beavers, 145
hares, snowshoe, 222
squirrels, fox, 444
Mason, Edwin A. Wildlife food plants in New England, 392–397
McAtee, W. L. A venture in songbird management, 85–89
McCain, Randal. See Bennett, Logan J., and —, 398–403
Merganser
American, food and other habits, Michigan, 186
hooded, food, Michigan, 213
red-breasted, food, Michigan, 213
Miller, J. Paul. Obituary of Robert Henry Stobie, 326
Mink, food, New York, 81
Monson, Gale, and Wayne Kessler. Life history notes on the banner-tailed kangaroo rat, Merriam's kangaroo rat, and the white-throated wood rat in Arizona and New Mexico, 37–43
Morgan, B. B., and E. F. Waller. A survey of the parasites of the Iowa cottontail (Sylvilagus floridanus mearnsi), 21–26
Moss, A. E. The woodchuck as a soil expert, 441–443

Muskrat
corpora lutea, 169
natural restocking of vacant habitat, 173

Neff, Johnson A.
Notes on nesting and other habits of the western white-winged dove in Arizona, 279–290
Range, population, and game status of the western white-winged dove in Arizona, 117–127
Nelson, Urban C. Winter observations on pheasants in southeastern Minnesota, 369–372
Norris, Russell T., John D. Beule, and Allan T. Studholme. Banding woodcocks on Pennsylvania singing grounds, 8–14
Notes, 104, 240, 332, 452
Nutritional analyses of deer foods, 315

Oaks, utilization of by birds and mammals, 404
Obituaries, 104, 239–240, 326
Officers, committees, and members of The Wildlife Society 1940 (Supplement following p. 346)

Parasites, cottontail, 21, 162, 429
Pheasant, ring-necked
food in Minnesota, 27
life-history, 369
relation to food and cover, Minnesota, 369
Phenology of bob-white food plants, Texas, 359
Populations
beaver, 100
dove, white-winged, 117
farm birds, 63
prairie chicken, 55
quail, California, 92
vole, meadow, 149
Prairie chicken, lesser, populations, Oklahoma, 55
Protecting conifers from deer, 77
Pulling, Albert Van S. The animal "Census" 327–329

Quail, California
food, 128
sex and age in relation to survival, 92

Raccoon
food, Iowa, 375
food, New York, 82

Reports
Membership Committee, 337
minutes, fourth annual meeting, 341
Professional Standards Committee, 338
Secretary, 333
Treasurer, 336
Research
dropping analysis of grouse food, 432
field method of analyzing game bird foods, 105

Salyer, J. Clark, II, and Karl F. Lagler. The food and habits of the American merganser during winter in Michigan, considered in relation to fish management, 186–219
Scott, Thos. G., and W. L. Dever. Blasting to improve wildlife environment in marshes, 373–374
Sex ratio, quail, California, 92
Sime, Palmer R. See Clancy, Carl F., and —, 162–168
Smith, Charles C. Notes on the food and parasites of the rabbits of a lowland area in Oklahoma, 429–431
Smith, Clarence F. See Glading, Ben, and —, 128–144
Social possibilities of wildlife management, 451
Songbird management, Maryland, 85
Stobie, Robert Henry, Obituary, 326
Studholme, Allan T. See Norris, Russell T., and —, 8–14
Survival, California quail, factors affecting, 92
Swanson, Gustav. Food habits of the sharp-tailed grouse by analysis of droppings, 432–436

Tehon, L. R. See Yeager, Lee E., and —, 1–7
Trapping
squirrel fox, 444
woodcock, 8

Van Dersal, William R. Utilization of oaks by birds and mammals, 404–428
Van Dersal, William R., Chairman. Report of the Membership Committee, 337–338
Vole meadow, home range and populations, Michigan, 149

Waller, E. F. See Morgan, B. B., and —, 21–26
Weiss, Siegfried, A simple deer repellent for conifer plantations, 77–79
West, Raymond M. Planting eyed eggs: A method of fish propagation in remote lakes and streams, 303–310
Woodchuck, choice of soil for dens, 441
Woodcock
breeding habits, Pennsylvania, 8
trapping and banding, 8
Wood rat, white-throated, habits, Arizona, 41

Yeager, Lee E. Subjects for filing wildlife literature, 44–54
Yeager, Lee E., and L. R. Tehon. Experiments with plant hormones in the propagation of wildlife food and cover, 1–7